

Specification:

Replace the first paragraph on page 15 with the following rewritten paragraph:

The weight of each of paths **180** is 1 in a preferred embodiment. In another preferred embodiment, the weight of each of paths **180** is the result of dividing an initial weight by 2 repeatedly, and the number of times of repeating the division is the number of edges in this one of paths **180**. The initial weight is the same for each of paths **180**, and it can be 1 or any other number. As the result of this repeated division, each additional edge in one of paths **180** reduces the weight of this one of paths **180** by a half. ~~Depending different the approach to select one among the many possible fixes, there can be other ways to define how the weights and the likelihood ratings should be calculated as long as the likelihood ratings (or, to be short, ratings) help selecting a fix. The different ways of selecting weights (or of calculating the likelihood ratings, which can also be called ratings) influence but do not determine how to select the final structural fix (i.e. the correct way to fix the functional mistake) as described in the following paragraphs.~~

Replace the last paragraph on page 15 with the following rewritten paragraph:

One way to change the behavior at one of candidate branches **150** is by changing how the signal identified in this one of candidate branches **150** is generated in circuit design **110**. Another way to do the same is by changing how the

signal identified in this one of candidate branches 150 influences other signals in circuit design 110. Any one of such changes may also change the behaviors at other signals in circuit design 110. Therefore, many other factors need to be considered when deciding the final structural fix. The likelihood ratings may cover some of these factors, but probably not all of them.